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# Highway Division FHWA TAMP Update

January 17, 2018

### FHWA Transportation Asset Management Plan (TAMP)

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- *Each State is required to develop a risk-based asset management plan for the National Highway System to Improve or preserve the condition of the assets and the performance of the system.* (23 U.S.C. 119(e)(1), MAP-21 § 1106)
- Promulgated by MAP-21 Transportation Funding Authorization Act (2012)
- Submission of Initial TAMP by April 30, 2018, followed by 90 day FHWA review/certification process
- Updates to TAMP required every 4 years
- Draft TAMP will be presented in March Meeting

### TAMP Requirements

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- NHS Inventory & Performance
  - › Summary of NHS Bridge and Pavement Assets (includes WT & MHS)
  - › Asset Performance - 10 year forecast
  - › Measures, Targets & Gaps
- Financial Plan
  - › Revenues
  - › Funding
  - › Funding levels historical & anticipated
  - › Asset Valuation
- Life Cycle Planning and Investment Strategy
  - › Data collection & Governance
  - › Treatment Selection
  - › Investment Decision Process
- Risk Management
  - › Asset Level Risk
  - › Program Level Risks

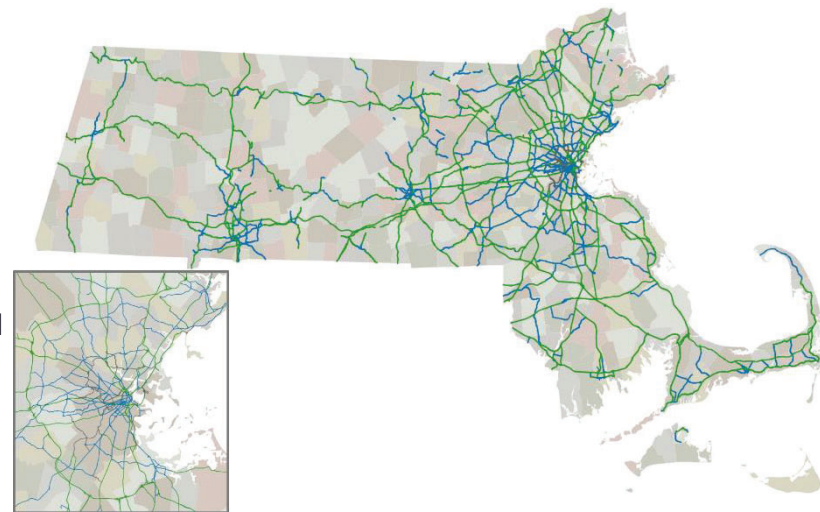
## Highway Division TAMP Update

The National Highway System (NHS) constitutes a significant portion of Highway Division assets and capital outlay

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### Pavement

- The NHS constitutes 14% of state-wide lane mileage (9,730 In mi)
- 74% under MassDOT jurisdiction (7,160 In mi)
  - the entire Interstate System, and approximately 64% of DOT non-interstate lane-miles
- 24% under Municipal jurisdiction (2,350 In mi)
  - ¼ of Municipal NHS in Boston, Springfield, Worcester and Cambridge
- Remaining 220 lane miles DCR (200 In mi), MassPort, Federal
- MassDOT manages capital investment for state-owned portions of the NHS, collects condition data on entire system



- Owned by MassDOT
- Owned by Municipalities
- Owned by Others (e.g., DCR, Massport, Federal)

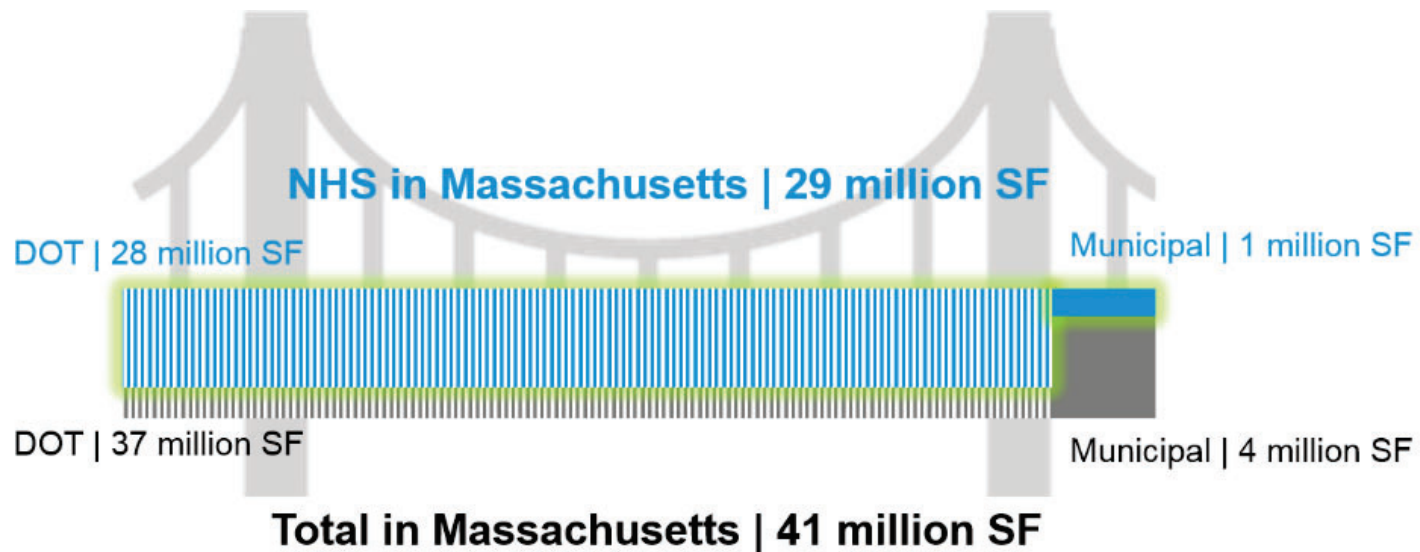
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### Bridge

- Highway Division manages capital investment for all NHS Bridges (DOT & MUN)
- NHS Bridges are on average 3 times larger than non-NHS structures
  - NHS constitutes 44% of Bridge Inventory by count, 70% by area



### Measures & Targets

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- State targets (2 & 4 Year) for NHS bridges and pavement measures are required by MAP-21 to be established by May 20, 2018, and will be identified in the TAMP

- Pavement Measures

Interstate

- › % Good
- › % Poor

Non-Interstate

- › % Good
- › % Poor

- Bridge Measures

- › % Good by area
- › % Poor by area

*Note: Poor equivalent to structurally deficient*

- Will match targets and measures in 2018 Tracker

- *Note: Tracker currently reports these measures with the exceptions of Bridge “good” measure and a near equivalency between MassDOT non-interstate system vs. NHS non-interstate system.*